

Fig. 1

Fig. 2a

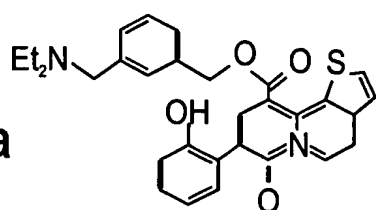


Fig. 2b

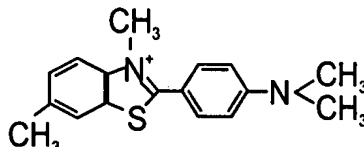


Fig. 2c

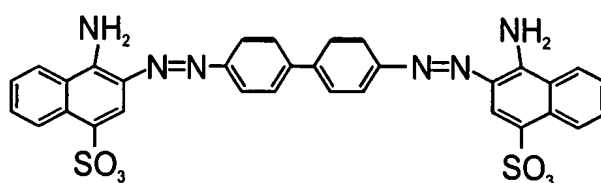
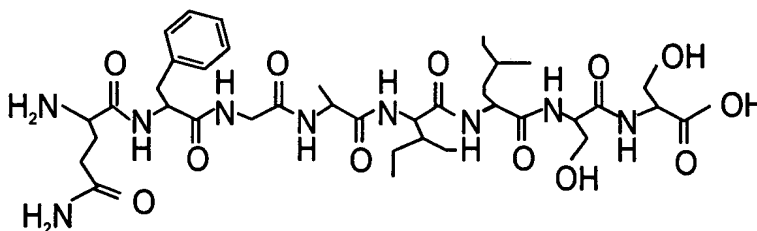


Fig. 3a

Rodent ¹KCNTATCATQRLANFLVRSSNNLGPVLPPTNVGSNTY ³⁷ SEQ ID NO: 152
Human KCNTATCATQRLANFLVHSSNNNFGAILSSTNVGSNTY SEQ ID NO: 153

Fig. 3b



| | | |
|-----|---|--------------|
| wt | NH ₂ -NFGAILSS-COOH | SEQ ID NO: 1 |
| N1A | NH ₂ - <u>A</u> FGAILSS-COOH | SEQ ID NO: 2 |
| F2A | NH ₂ -N <u>A</u> GAILSS-COOH | SEQ ID NO: 3 |
| G3A | NH ₂ -NFA <u>A</u> ILSS-COOH | SEQ ID NO: 4 |
| I5A | NH ₂ -NFGA <u>A</u> LSS-COOH | SEQ ID NO: 5 |
| L6A | NH ₂ -NFGAI <u>A</u> SS-COOH | SEQ ID NO: 6 |

Fig. 3c

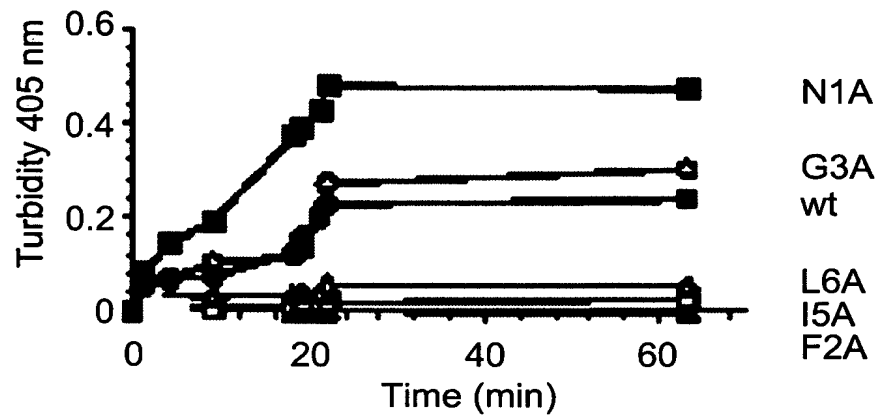


Fig. 4a

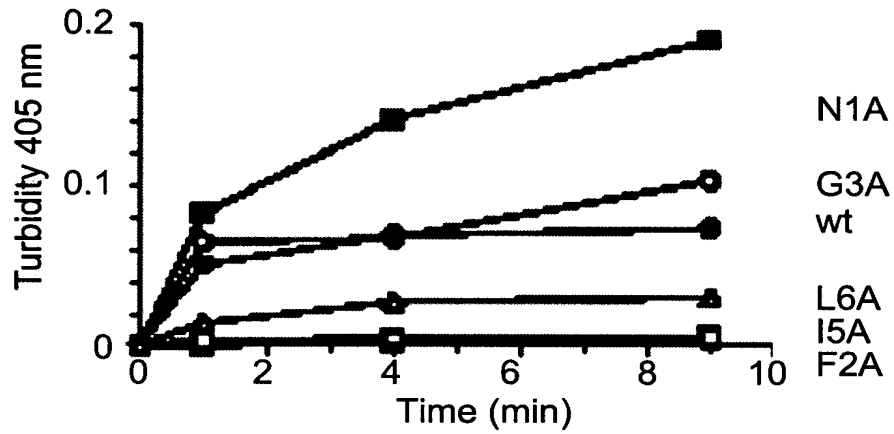


Fig. 4b

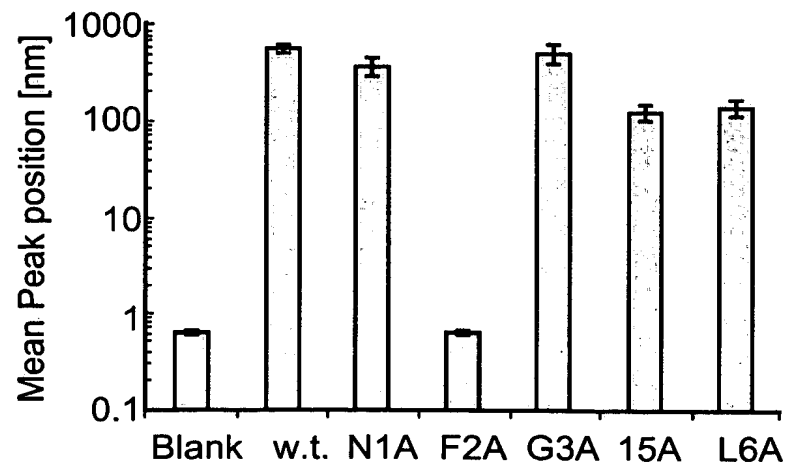


Fig. 5

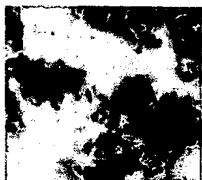


Fig. 6a



Fig. 6b

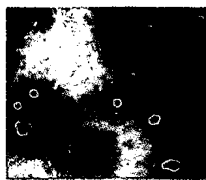


Fig. 6c



Fig. 6d



Fig. 6e



Fig. 6f

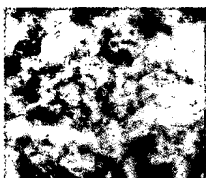


Fig. 6g

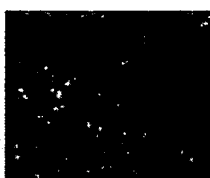


Fig. 6h



Fig. 6i



Fig. 6j

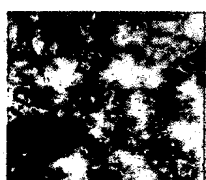


Fig. 6k



Fig. 6l

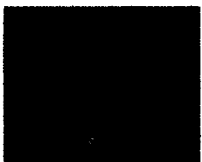


Fig. 6m



Fig. 6n

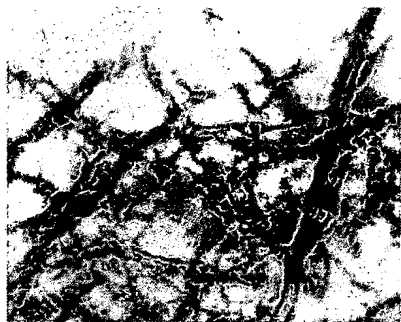


Fig. 7a



Fig. 7b



Fig. 7c



Fig. 7d



Fig. 7e



Fig. 7f

| | | | | | | | | | | | | | | | |
|----------------|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEQ ID NO: 164 | 1 | M | K | C | N | T | A | T | C | A | T | Q | R | L | A |
| SEQ ID NO: 165 | 2 | ATGAAATGCAACACCGCGACCTGCGCGACCGCGCCTGGCG | | | | | | | | | | | | | |
| SEQ ID NO: 166 | 3 | ATGAAATGCAACACTGCCACATGTGCAACCCAGCGCCTGGCA | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEQ ID NO: 164 | 1 | M | F | L | V | H | S | S | N | N | F | G | A | I | L |
| SEQ ID NO: 165 | 2 | AACTTTCIGGTGCATAGCAGCAACAACCTTGGCGGATTCTG | | | | | | | | | | | | | |
| SEQ ID NO: 166 | 3 | AATTTTTCATTCCAGCAACAACCTTGGTGCCATTCTC | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|----------------|---|---------------------------------|---|---|---|---|---|---|---|---|---|
| SEQ ID NO: 164 | 1 | S | S | T | N | V | G | S | N | T | Y |
| SEQ ID NO: 165 | 2 | AGCAGCACCAACGTGGGCGAGCAACACCTAT | | | | | | | | | |
| SEQ ID NO: 166 | 3 | TCATCTACCAACGTGGGATCCAATACATAT | | | | | | | | | |

Fig. 8a

Synthetic gene
Human cDNA

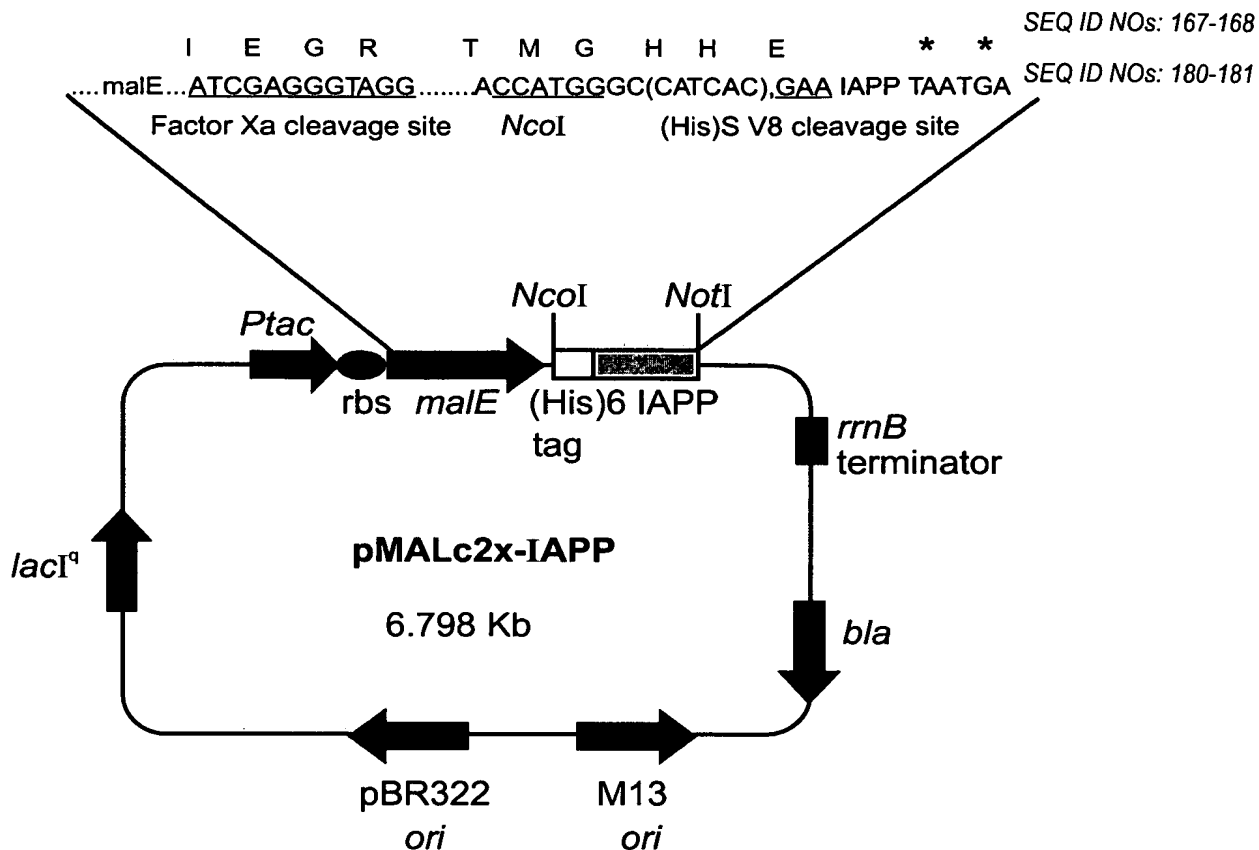


Fig. 8b

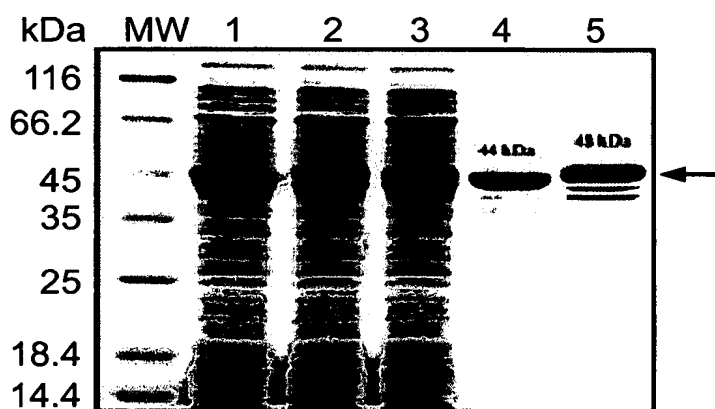


Fig. 9



Fig. 10a

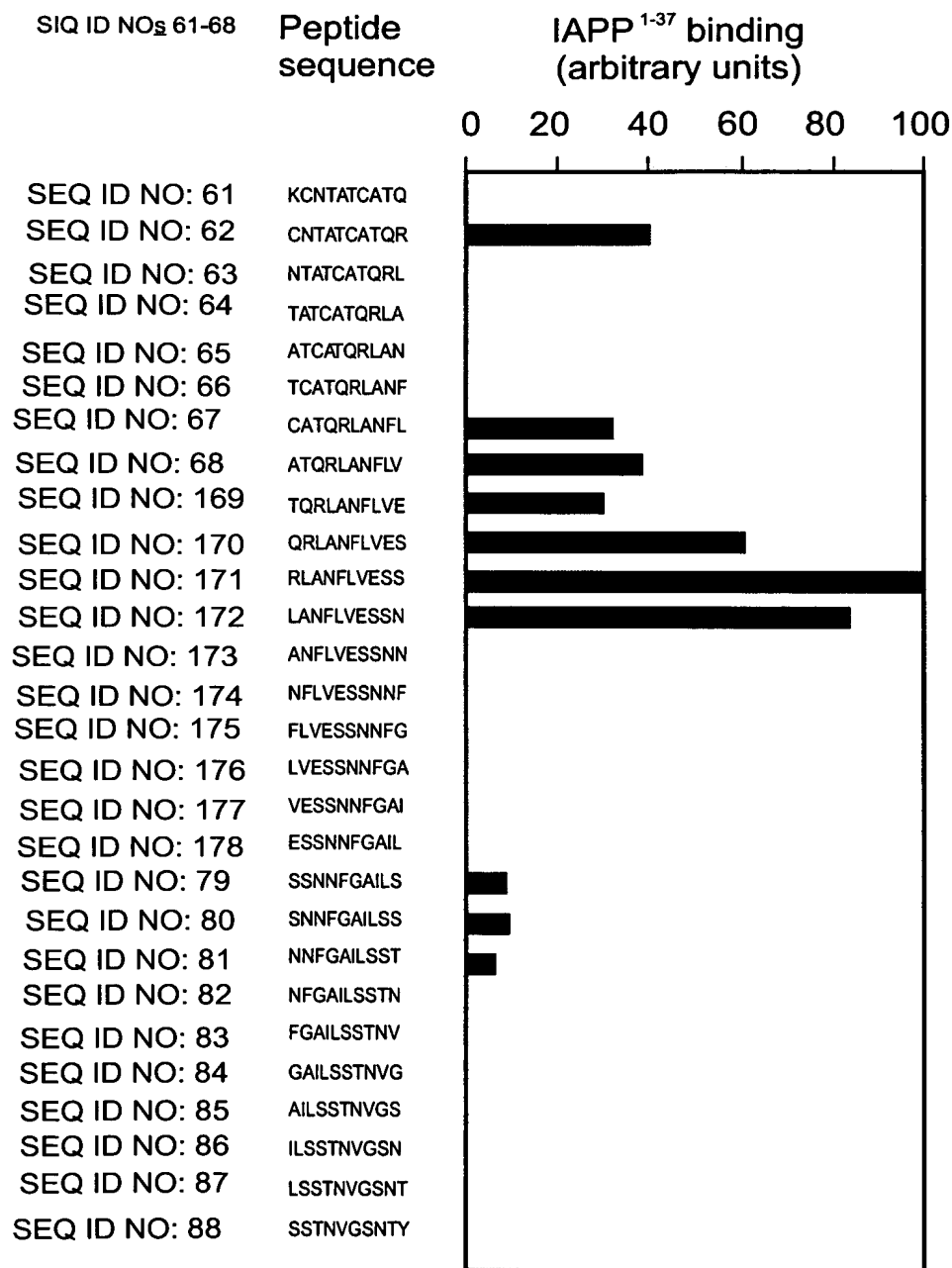


Fig. 10b

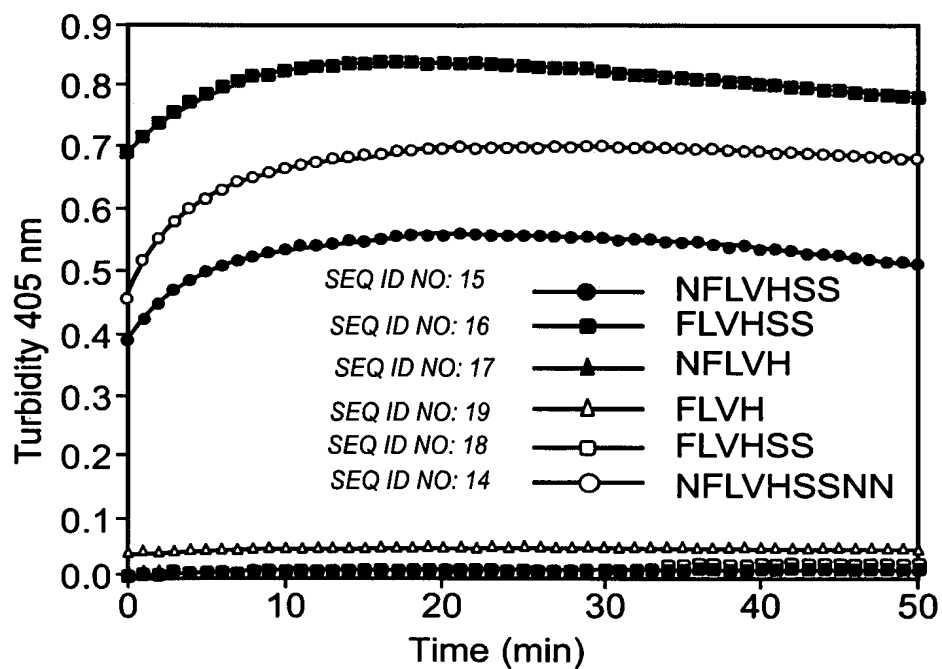


Fig. 11

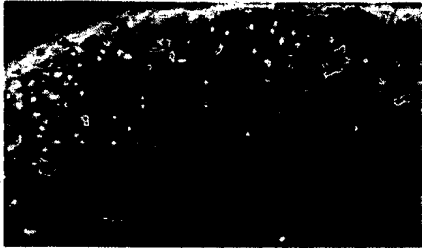


Fig. 12a

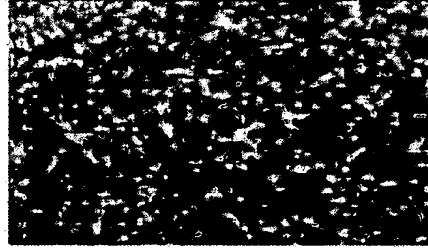


Fig. 12b

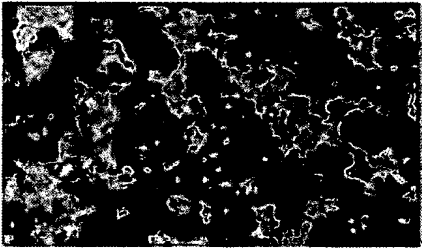


Fig. 12c



Fig. 12d

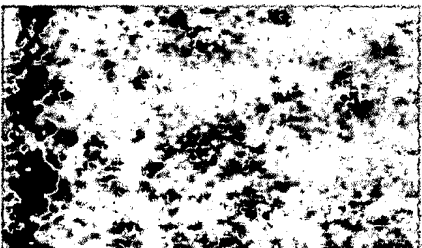


Fig. 12e



Fig. 12f



Fig. 13a



Fig. 13b



Fig. 13c



Fig. 13d



Fig. 13e

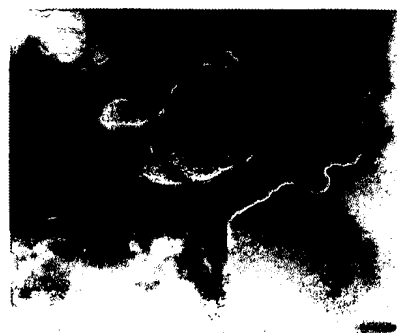


Fig. 13f

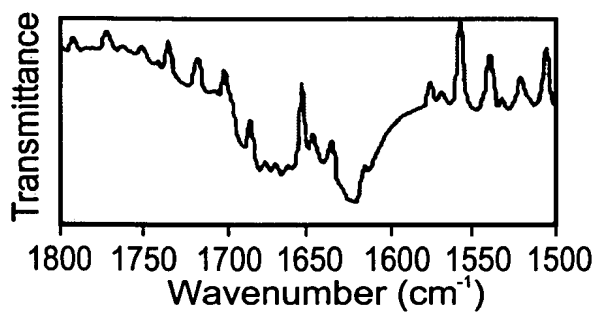


Fig. 14 a

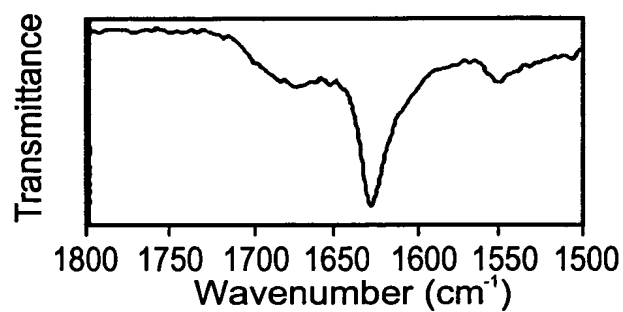


Fig. 14 b

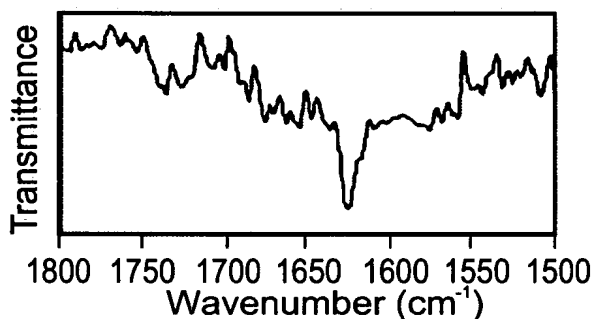


Fig. 14 c

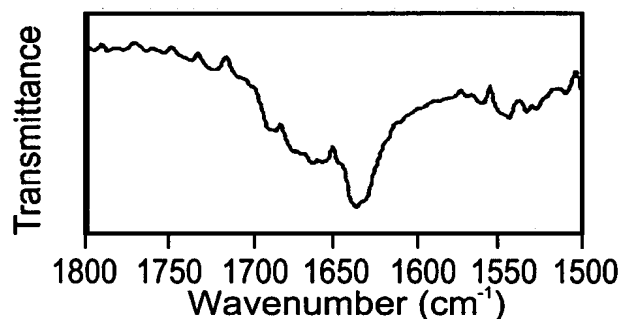


Fig. 14 d

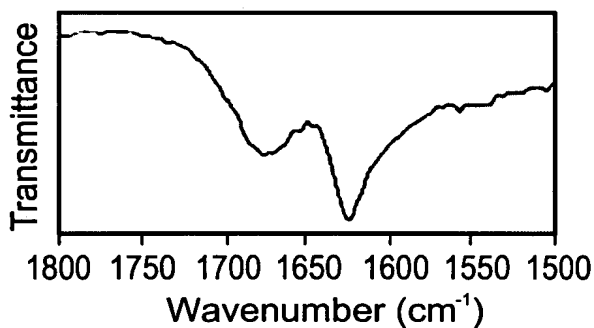


Fig. 14 e

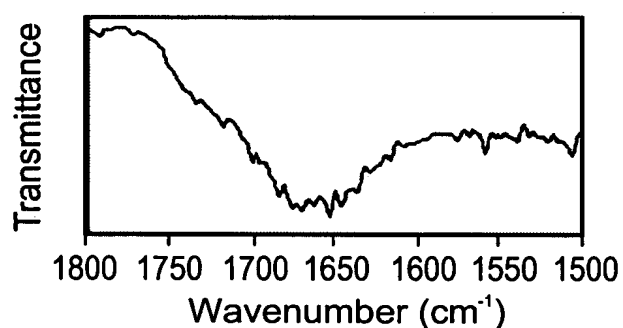


Fig. 14 f

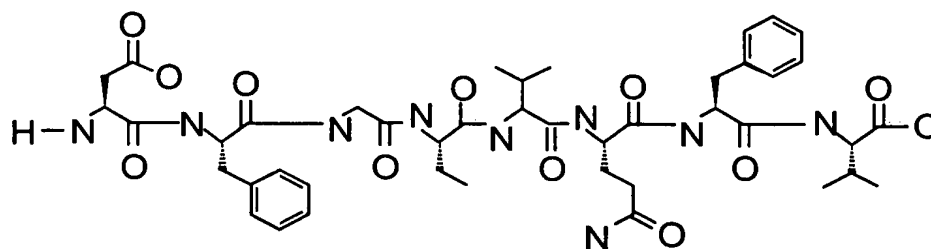


Fig. 15

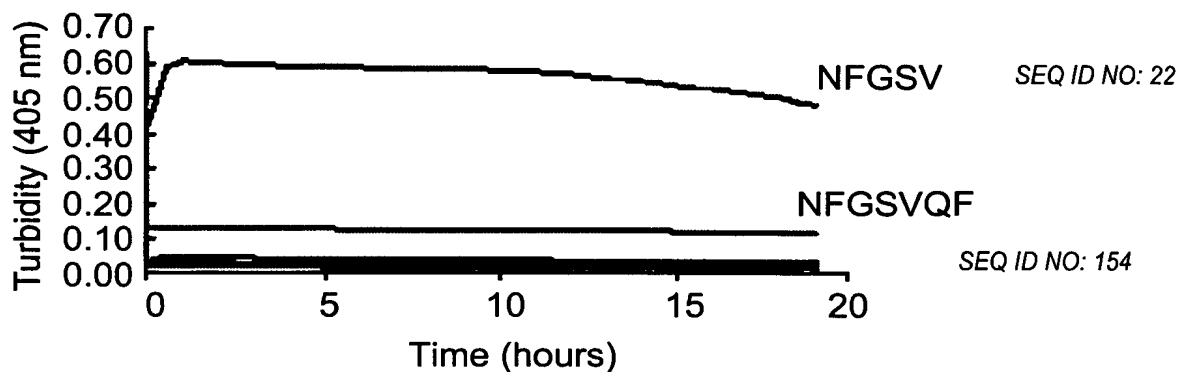


Fig. 16a

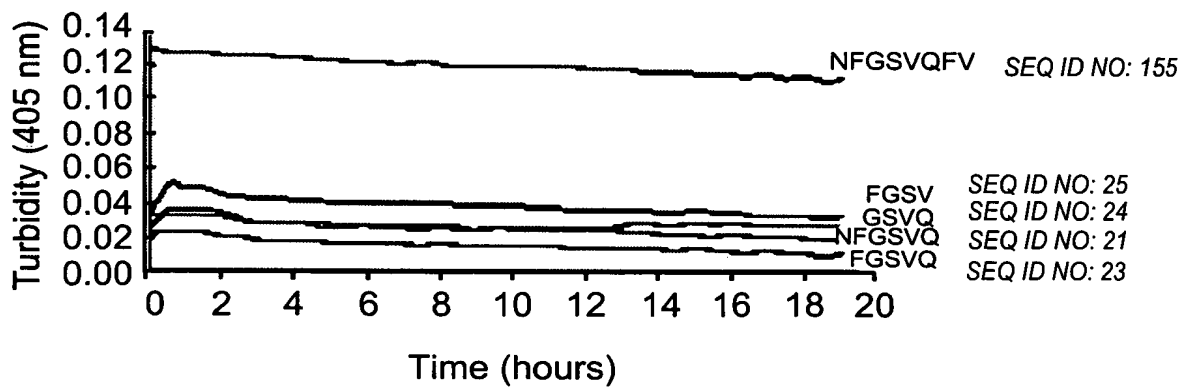


Fig. 16b

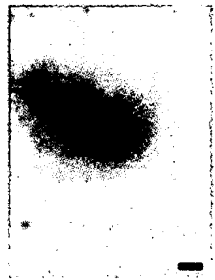


Fig. 17a



Fig. 17b



Fig. 17c



Fig. 17d



Fig. 17e

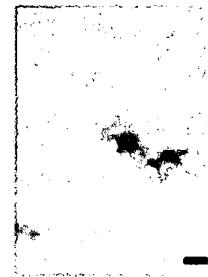


Fig. 17f



Fig. 18a

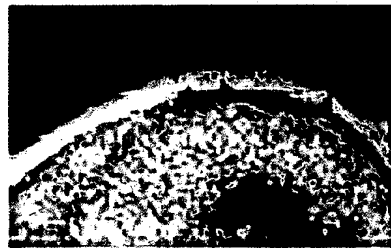


Fig. 18b



Fig. 18c



Fig. 18d



Fig. 18e

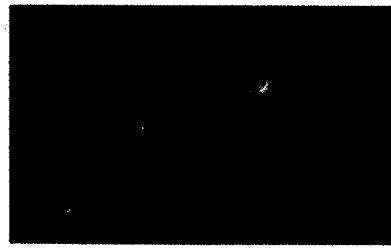


Fig. 18f

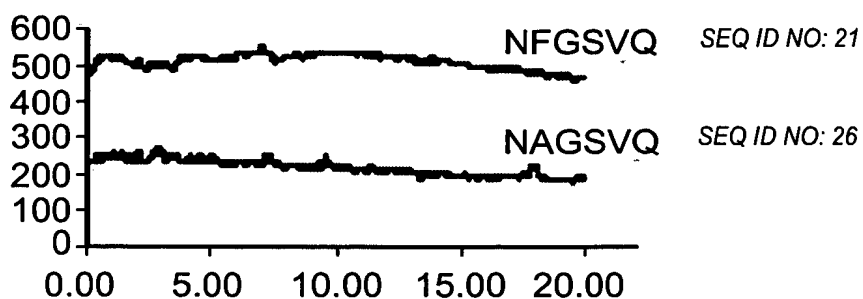


Fig. 19a



Fig. 19b

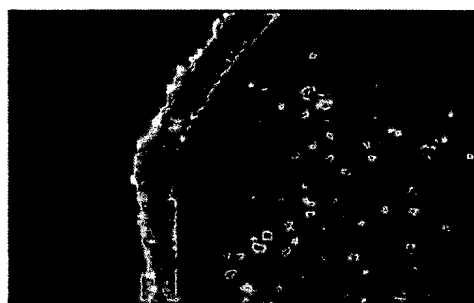


Fig. 19c



SEQ ID NOs: 158
and 179

Fig. 20b

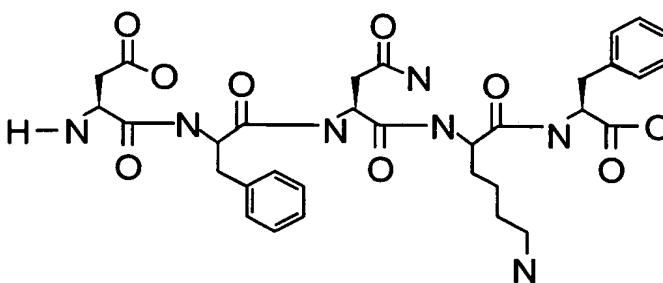




Fig. 21a



Fig. 21b



Fig. 21c



Fig. 21d

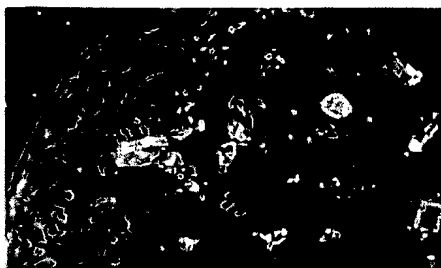


Fig. 22a



Fig. 22b

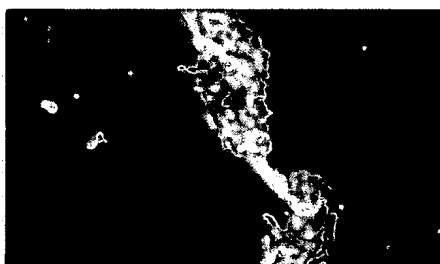


Fig. 22c

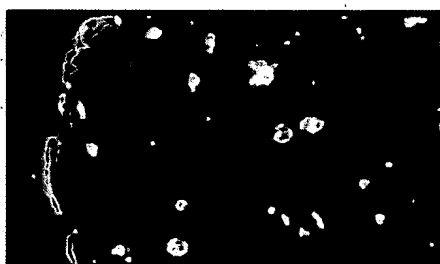


Fig. 22d

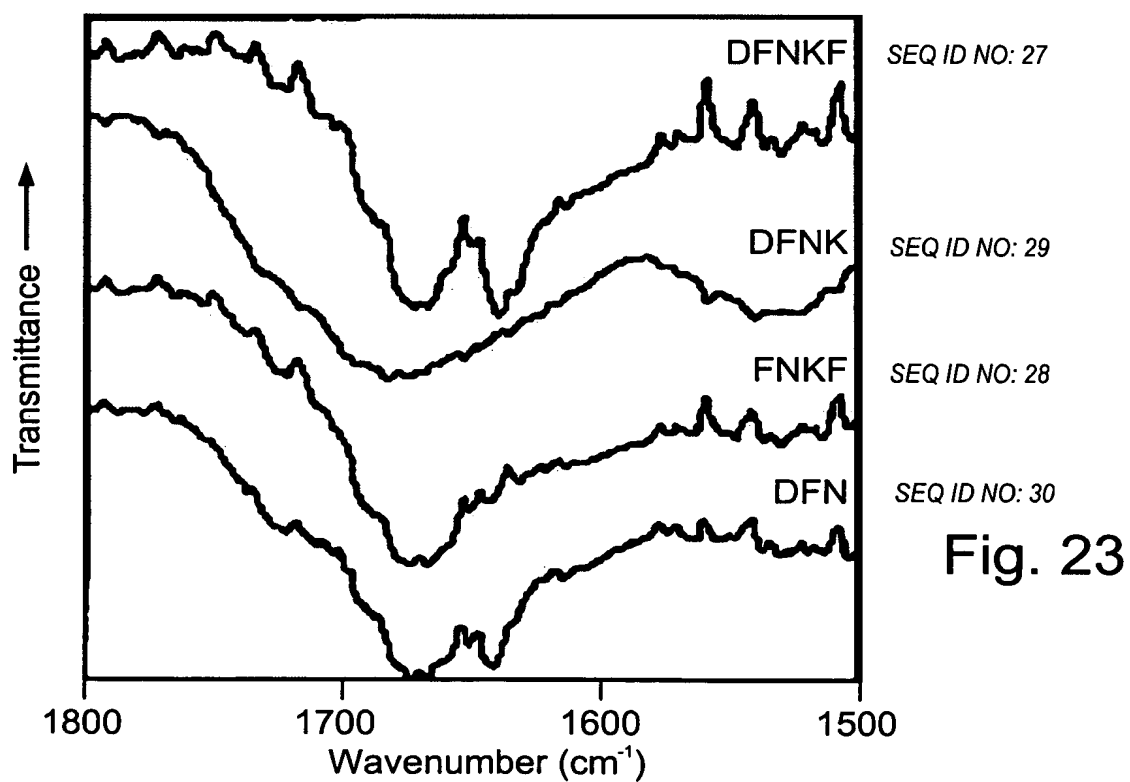




Fig. 24a

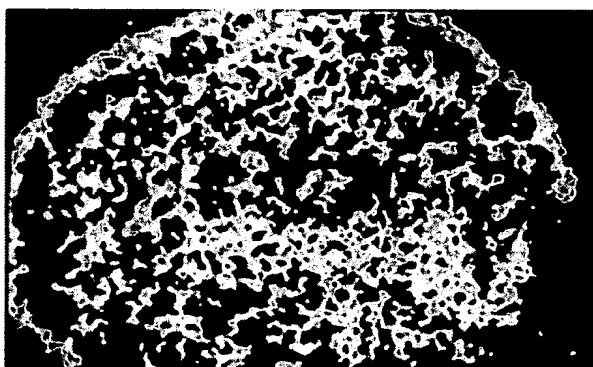


Fig. 24b

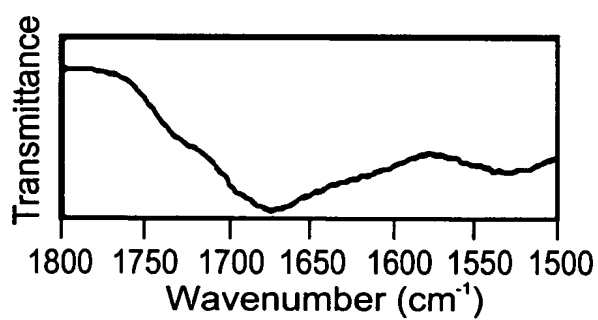


Fig. 24c

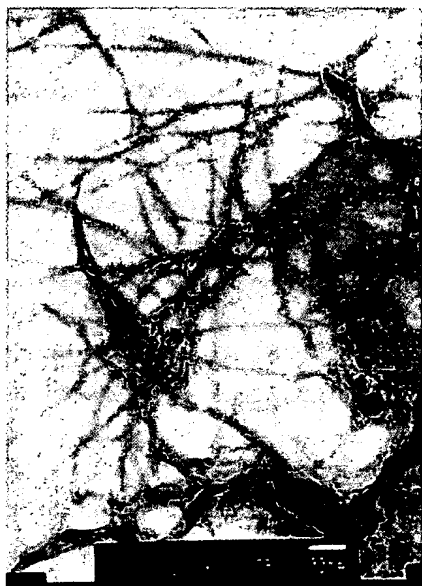


Fig. 25



Fig. 26



Fig. 27



Fig. 28



Fig. 29

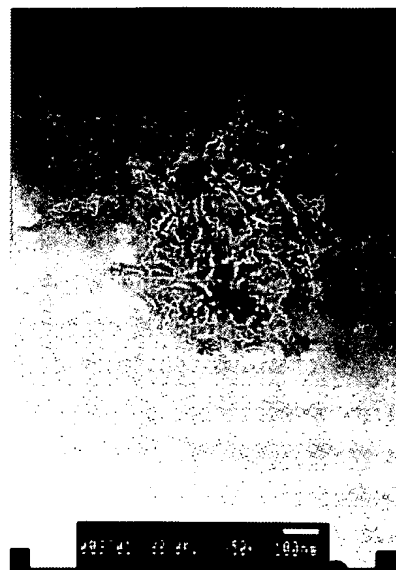


Fig. 30



Fig. 31

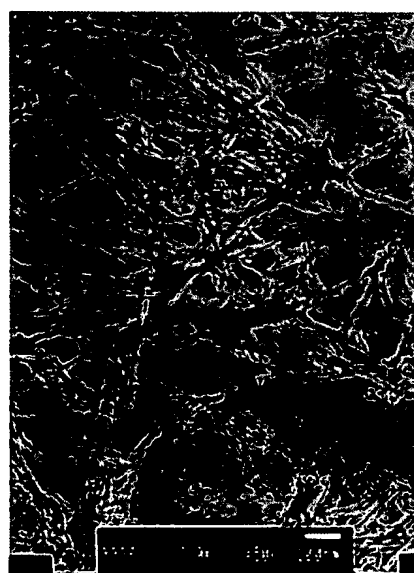


Fig. 32



Fig. 33

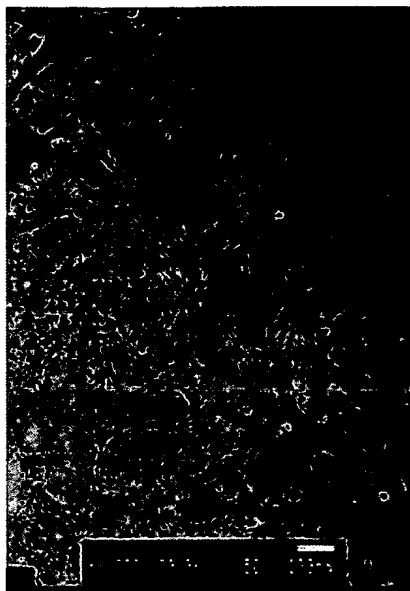


Fig. 34



Fig. 35

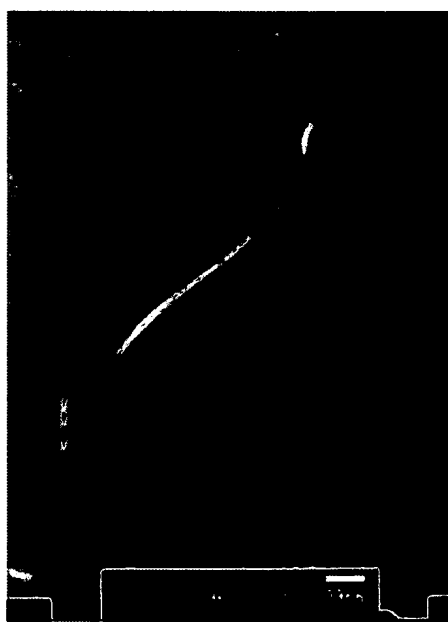


Fig. 36

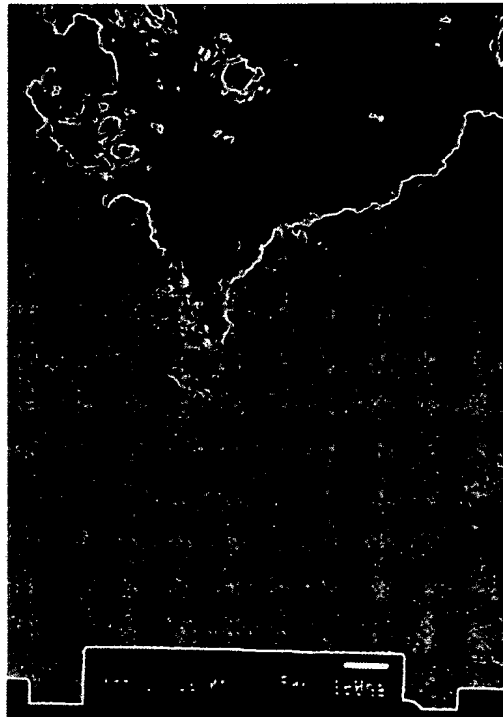


Fig. 37

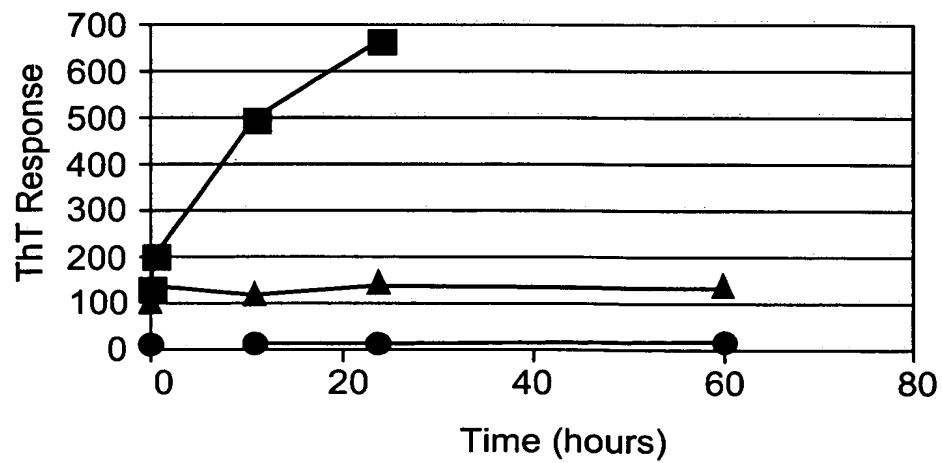


Fig. 38

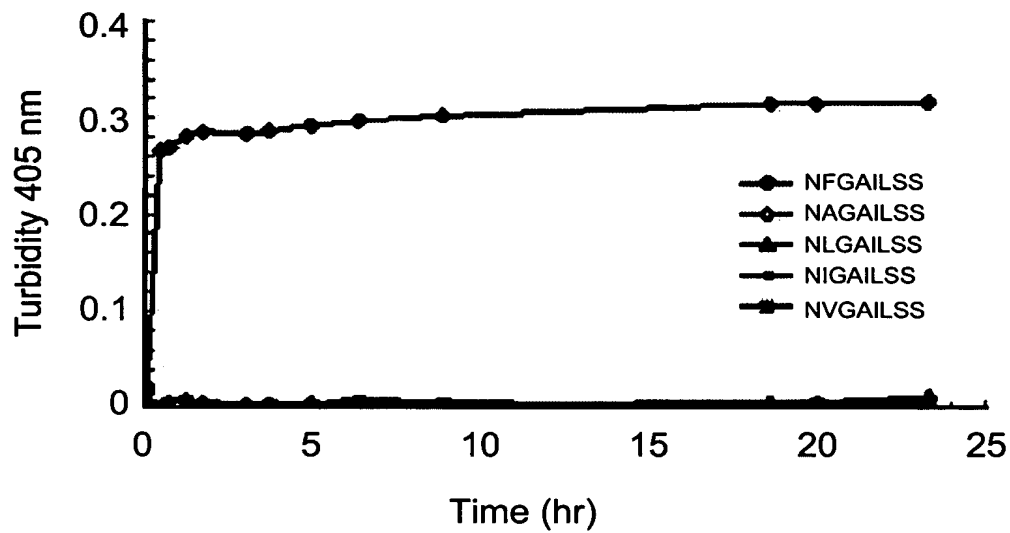


Fig. 39

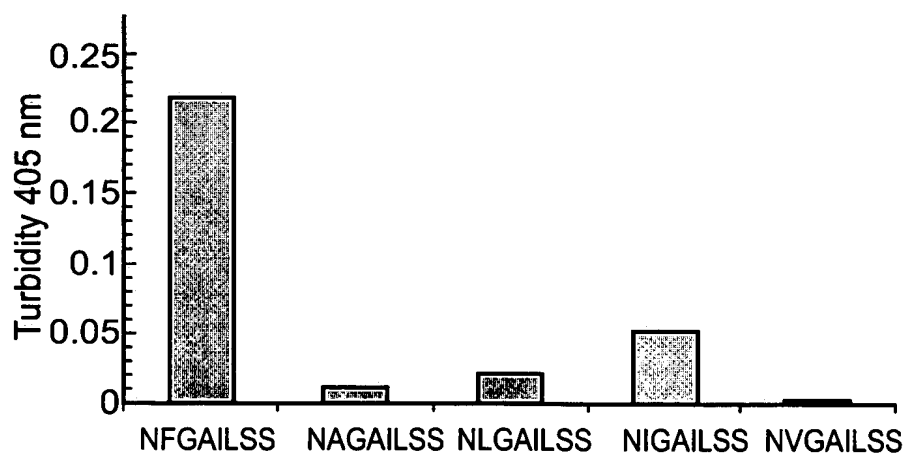


Fig. 40



Fig. 41a

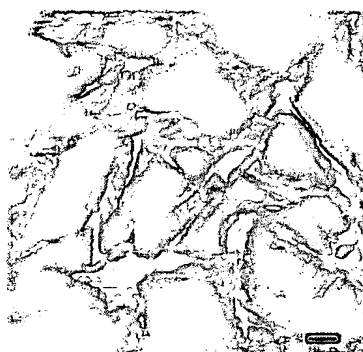


Fig. 41b

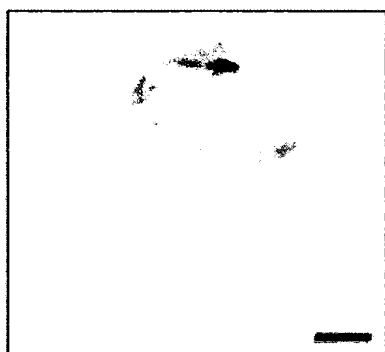


Fig. 41c

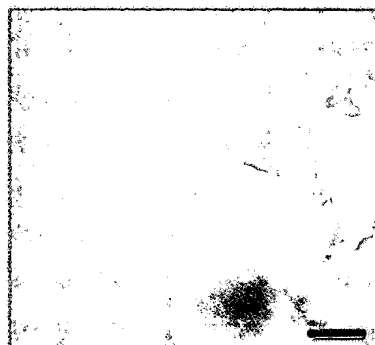


Fig. 41d

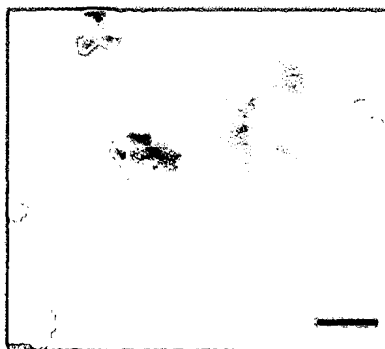


Fig. 41e

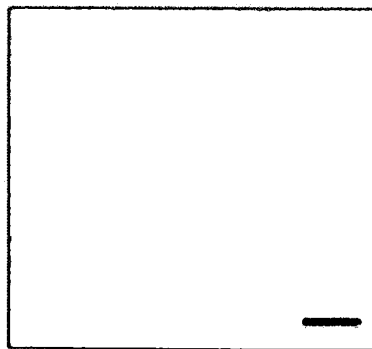


Fig. 41f

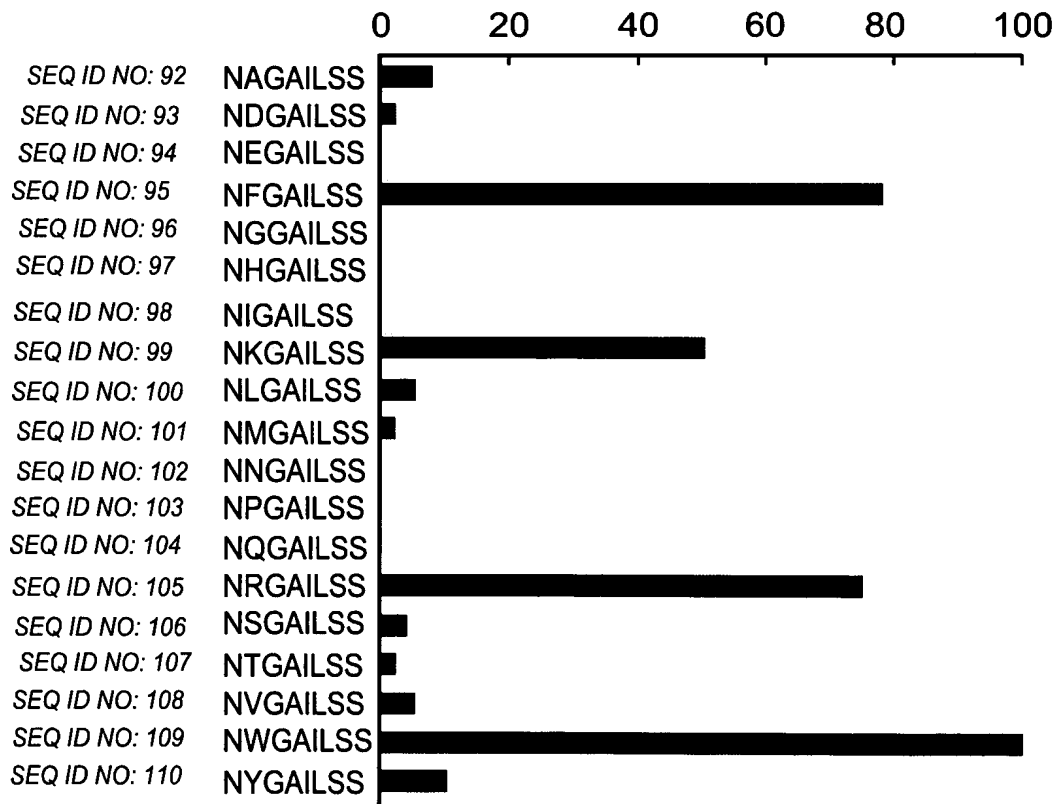
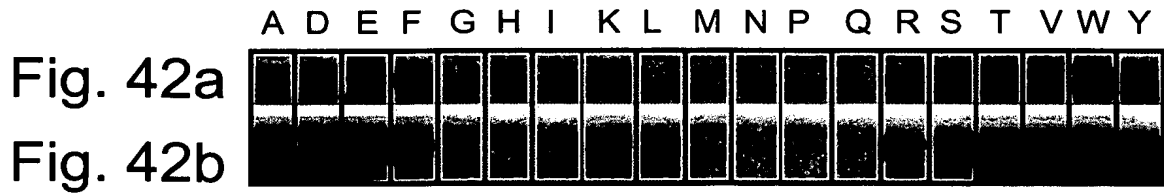


Fig. 42c

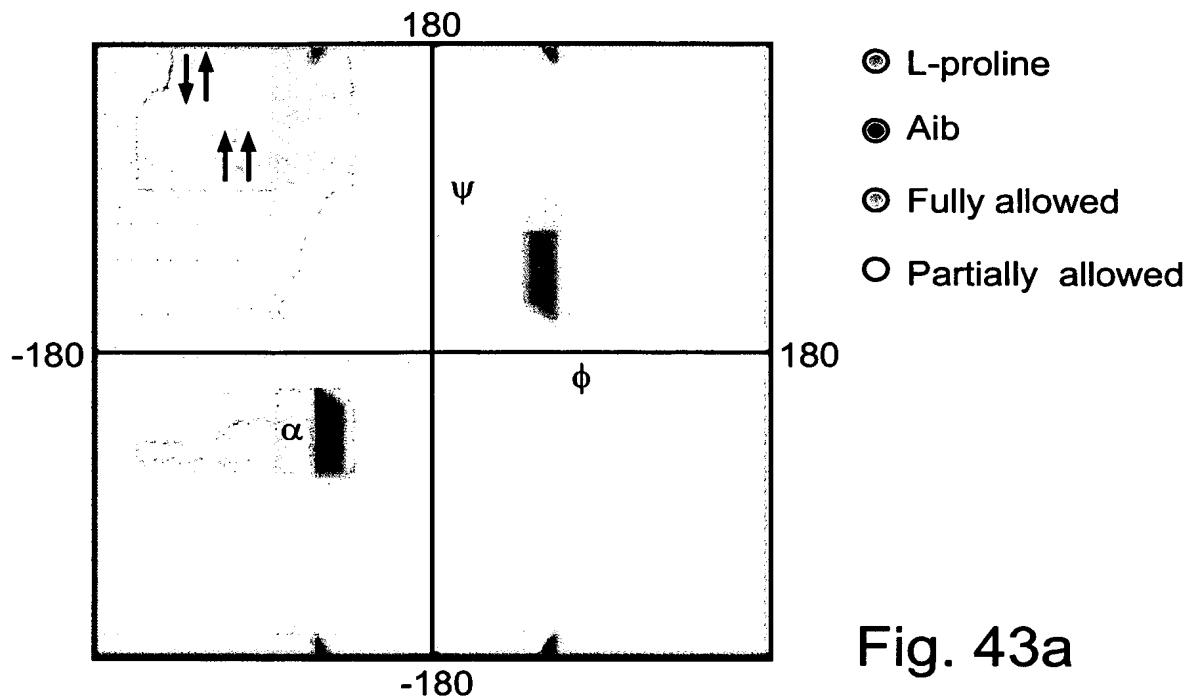


Fig. 43a

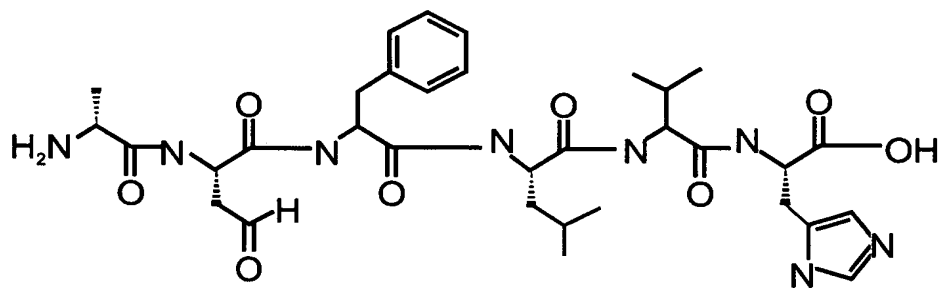


Fig. 43b

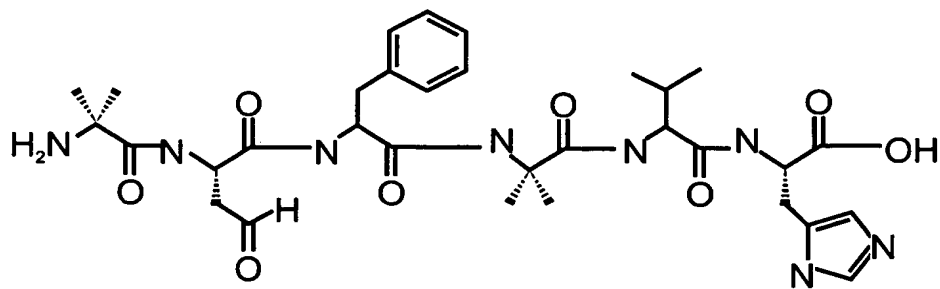


Fig. 43c

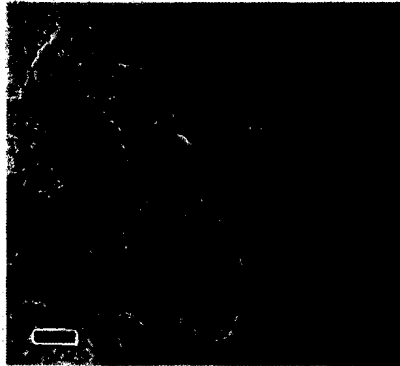


Fig. 44a

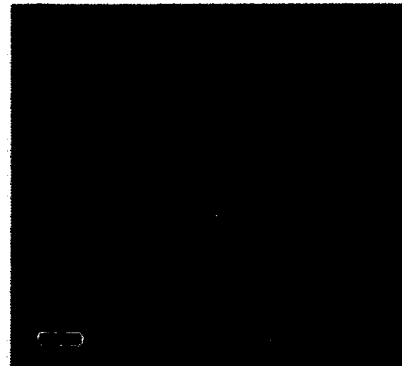


Fig. 44b

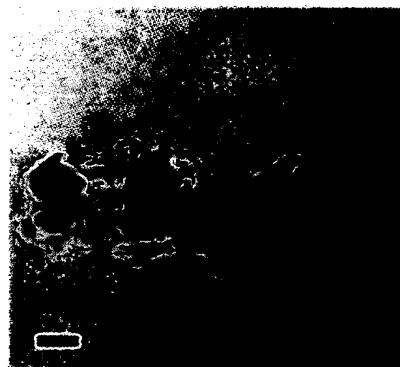


Fig. 44c

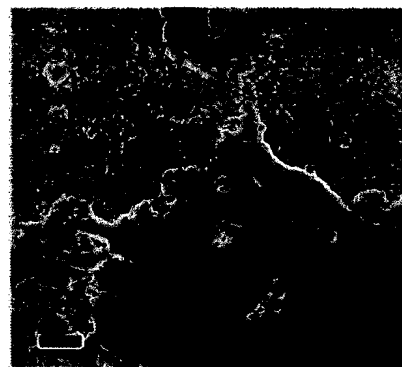


Fig. 44d

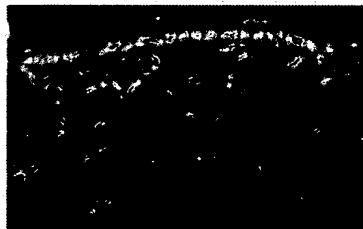


Fig. 45a



Fig. 45b



Fig. 45c



Fig. 45d

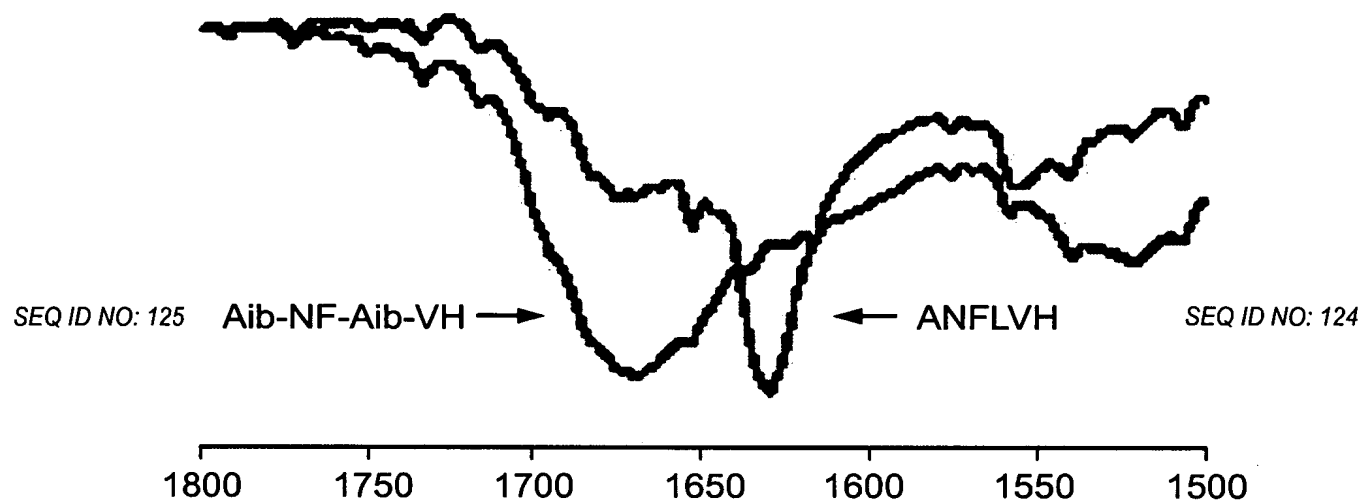


Fig. 46a

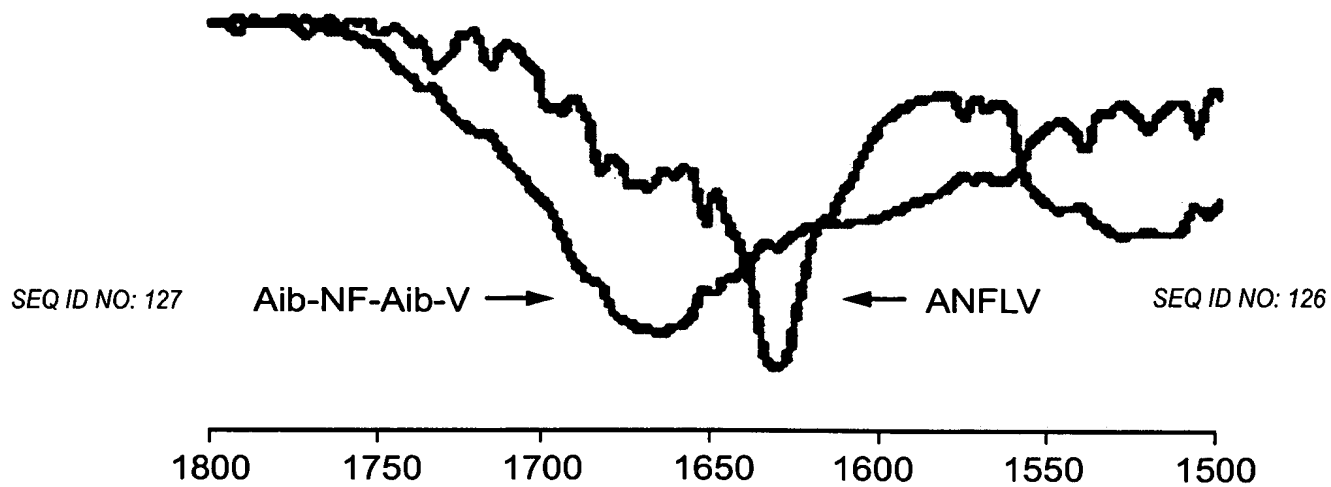


Fig. 46b

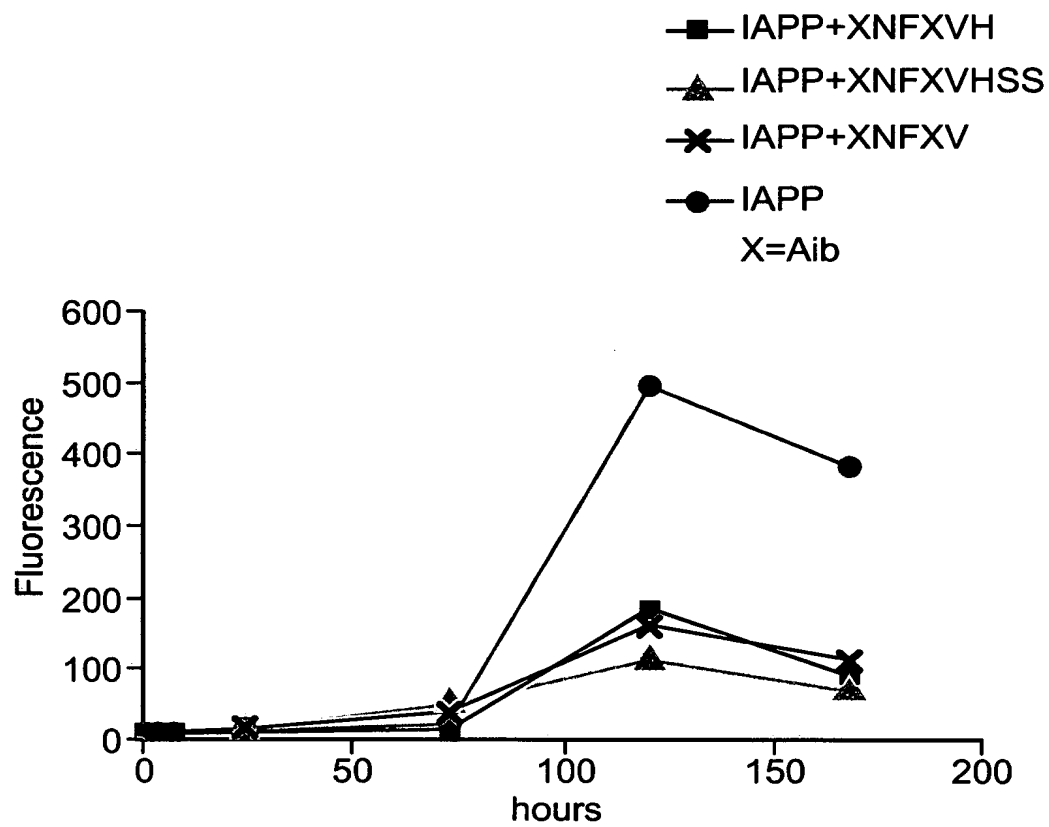


Fig. 47

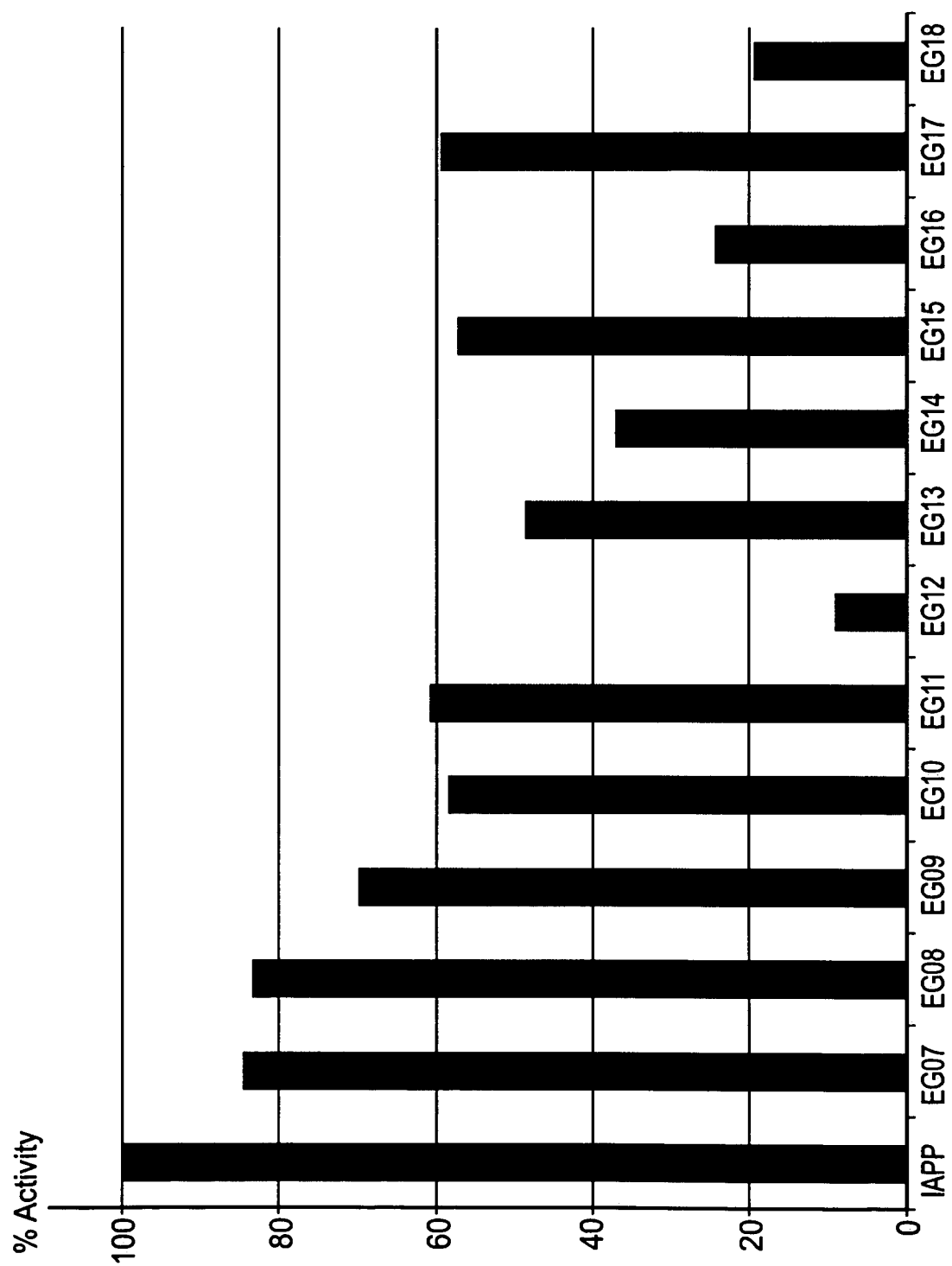


Fig. 48

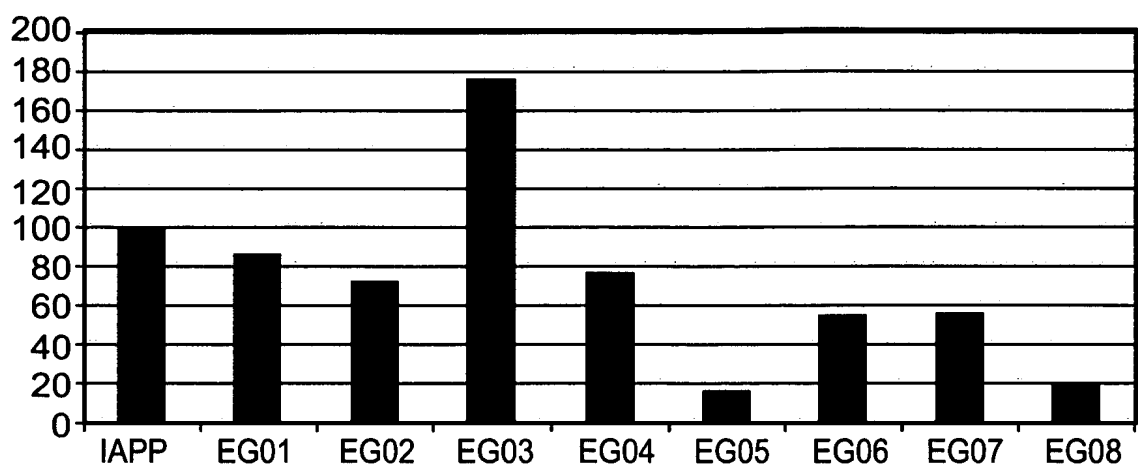


Fig. 49a

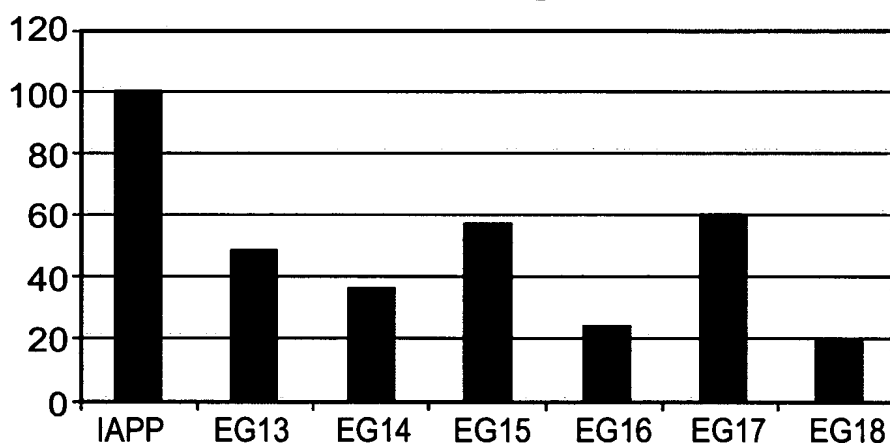


Fig. 49b

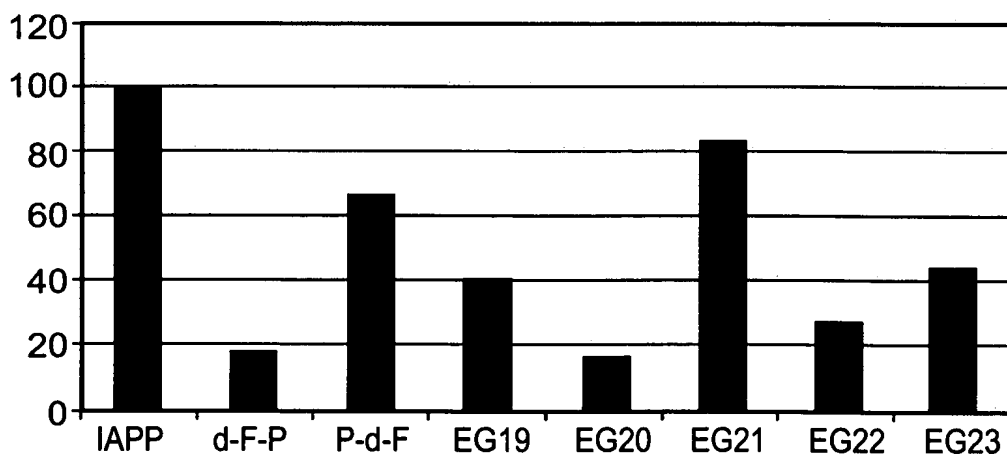


Fig. 49c

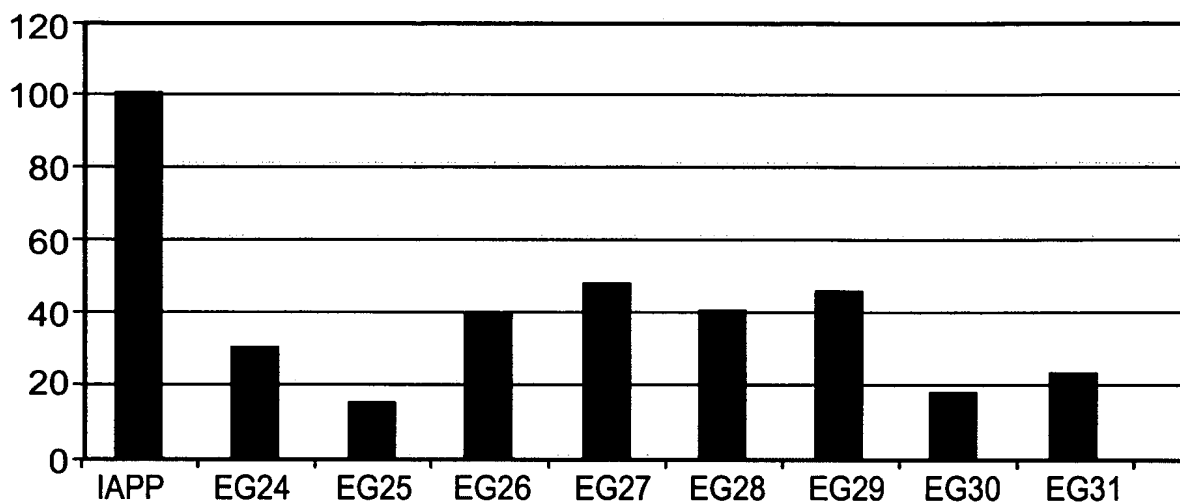


Fig. 49d

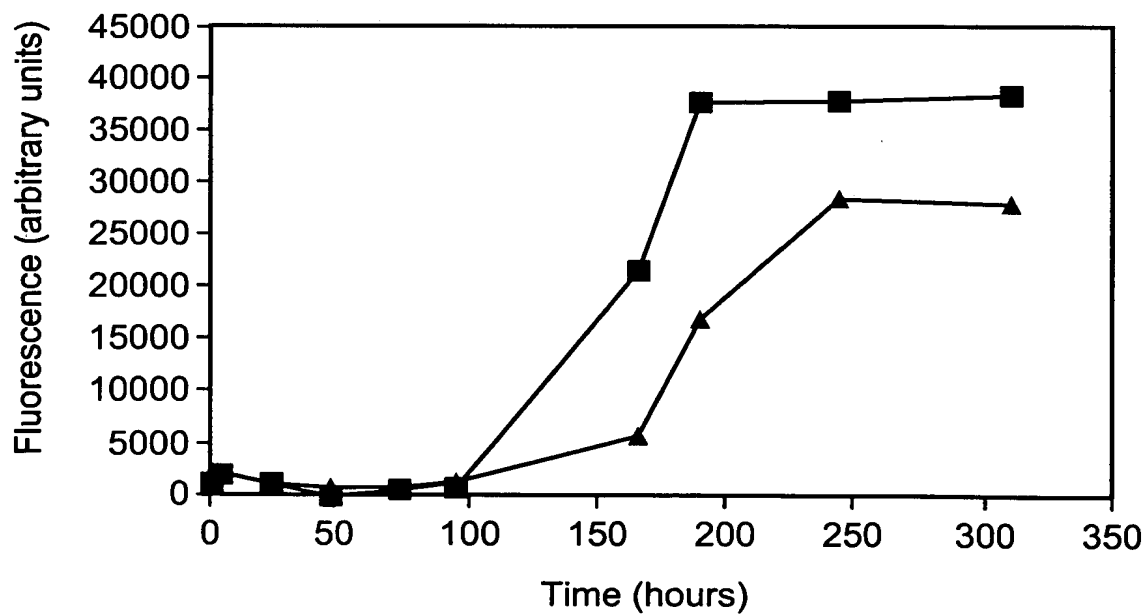


Fig. 50



Fig. 51a

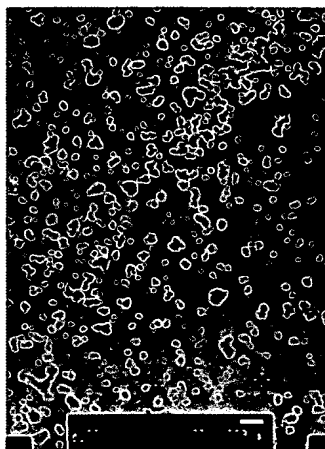


Fig. 51b

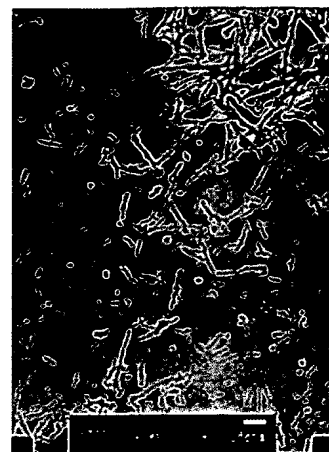


Fig. 51c